AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application;

--1. (Currently Amended) An antenna unit for use with a receiver, the antenna unit comprising:

an antenna;

a high-frequency amplifier for amplifying a reception signal received by [[an]] the antenna[[,]]; and

an output cable,

wherein, an output signal of the high-frequency amplifier is supplied to [[a]] the receiver through an output cable;

an operating voltage is supplied from the receiver to the high-frequency amplifier through the output cable[[;]], and

a signal to control a gain is supplied to the high-frequency amplifier from the receiver through the output cable.

--2. (Currently Amended) [[An]] The antenna unit according to Claim 1, wherein the output cable [[is]] comprises a coaxial cable.

--3. (Currently Amended) A receiver using an antenna unit that has a high-frequency amplifier, outputs a signal received by an antenna with a predetermined gain through an output cable, and ~~is capable of changing~~ in which the gain is changeable, the receiver comprising:

a voltage source [[of]] providing an operating voltage for the high-frequency amplifier; and

a control circuit for controlling [[the]] a magnitude of the operating voltage,

wherein, the operating voltage from the voltage source is supplied to the high-frequency amplifier of the antenna unit through the output cable[[;]], and

the control circuit controls the magnitude of the operating voltage to change the gain of the high-frequency amplifier.

--4. (Currently Amended) [[A]] The receiver according to Claim 3, wherein the output cable [[is]] comprises a coaxial cable.

--5. (Currently Amended) An antenna unit for use with a receiver, the antenna unit comprising:

an antenna;

a high-frequency amplifier for amplifying a reception signal received by [[an]] the antenna;

an output cable;

an attenuator circuit; and

a switching circuit,

wherein, an operating voltage is supplied from [[a]] the receiver, to which an output signal of the high-frequency

amplifier is supplied through [[an]] the output cable, to the high-frequency amplifier through the output cable[[;]],

a control signal is supplied from the receiver to the switching circuit through the output cable[[;]], and

the switching circuit is controlled in accordance with the control signal to selectively connect one of the high-frequency amplifier and the attenuator circuit to a signal line between the antenna and the output cable.

--6. (Currently Amended) [[An]] The antenna unit according to Claim 5, wherein the output cable [[is]] comprises a coaxial cable.

--7. (Currently Amended) [[An]] The antenna unit according to Claim 5, further comprising a voltage detector circuit, wherein

the control signal is represented by a voltage change in the operating voltage,

the voltage change in the operating voltage is detected by the voltage detector circuit, and

a detection output ~~thereof~~ of the voltage detector circuit controls the switching circuit.

--8. (Currently Amended) [[An]] The antenna unit according to Claim 7, wherein

the control signal is generated from an [[AGC]] automatic gain control voltage in the receiver,

when the level of the [[AGC]] automatic gain control voltage is equal to or higher than a predetermined level, the attenuator circuit is selected, and

when the level of the [[AGC]] automatic gain control voltage is lower than the predetermined level, the high-frequency amplifier is selected.

--9. (Currently Amended) [[An]] The antenna unit according to claim 8, wherein the predetermined level to control selection in the switching circuit has hysteresis characteristics.

--10. (Currently Amended) A receiver using an antenna unit ~~which~~ that transmits a signal received by an antenna with a predetermined gain to an output cable and which is capable of changing the gain in accordance with a first control signal, the receiver comprising:

a connector ~~which is~~ connected to the output cable;

a receiving circuit including at least a high-frequency amplifier, a variable attenuator circuit, and a switching circuit; and

a generator circuit for generating the first control signal and for generating second and third control signals from

an [[AGC]] automatic gain control voltage corresponding to [[the]] an output level of the receiving circuit,

wherein, an operating voltage is supplied to the antenna unit through the output cable[[;]],

the first control signal generated by the generator circuit is supplied to the antenna unit through the output cable to change the gain[[;]],

the switching circuit is controlled in accordance with the second control signal to selectively connect one of the high-frequency amplifier and the variable attenuator circuit to a signal line between the connector and a circuit in [[the]] a subsequent stage[[;]], and

the third control signal controls [[the]] a gain of the variable attenuator circuit.

--11. (Currently Amended) [[A]] The receiver according to Claim 10, further comprising a circuit for changing the operating voltage supplied to the antenna unit according to the first control signal, the antenna unit being set so that the gain changes according to a change in the operating voltage.

--12. (Currently Amended) [[A]] The receiver according to Claim 10, wherein the output cable [[is]] comprises a coaxial cable.

--13. (Currently Amended) [[A]] The receiver according to Claim 10, wherein

when [[the]] a level of the [[AGC]] automatic gain control voltage is equal to or higher than a predetermined level, the attenuator circuit is selected, and

when the level of the AGC voltage is lower than the predetermined level, the high-frequency amplifier is selected.

--14. (Currently Amended) [[A]] The receiver according to Claim 13, wherein the predetermined level to control selection in the switching circuit has hysteresis characteristics.